

Lubricants for industry.

HydroStar HLP



Premium hydraulic fluid with universal use and anti-wear capacity.

> Use

- Moeve Hydrostar HLP is specifically recommended for universally-used hydraulic systems. Specially developed for high-pressure hydrostatic systems equipped with state-of-the-art pumps that require premium anti-wear hydraulic fluid.
- Formulated to meet the requirements of the most modern high-pressure hydrostatic systems (especially those incorporating state-of-the-art vane and piston pumps).
- Moeve Hydrostar HLP is approved by leading pump manufacturers.

> Benefits

- High demulsibility.
- Excellent resistance to foaming tendency and good release of occluded air.
- Protects the circuit thanks to its anti-wear capacity.
- Very high resistance to sludge and deposit formation.
- High protection against corrosion and rust.
- Highly resistant to oxidation.
- High filterability.

> Specifications

- DIN 51524 Part 2 HLP
- AFNOR NF-E 48-603 HM
- EATON Brochure 03-401-2012
- ENGEL (ISO 46)
- ISO 6743-4 HM
- AFNOR FILTERABILITY (Dry&Wet)
- BOSCH-REXROTH 90220 (ISO 46)
- ISO 11158 HM
- PARKER DENISON HF-0, HF-1, HF-2
- FIVES CINCINNATI P-68 (ISO 32), P-69 (ISO 68), P-70 (ISO 46)

> Physical and chemical properties

Parameter	Units	Method	HydroStar HLP					
ISO Grade	-	-	15	22	32	46	68	100
Viscosity at 40 °C	cSt	ASTM D-445	15	22	32	46	68	100
Viscosity at 100° C	cSt	ASTM D-445	3.6	4.4	5.5	6.8	8.7	11.4
Viscosity index	-	ASTM D-2270	110	109	109	102	100	100
Density 15 °C	kg/l	ASTM D-4052	0.867	0.870	0.873	0.879	0.885	0.889
Flash point COC	°C	ASTM D-92	186	202	230	234	250	268
Pour point	°C	ASTM D-97	-45	-33	-24	-24	-21	-18

> Health & safety and environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.